Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/24/2019 09:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124502	-1	1.08	124570	1.08
Blue	F	SSC	125000	124589	-1	1.89	125423	1.81
Blue	E	FITC	16122	15622	-4	2.70	341	19.51
Blue	D	PE	29316	28948	-2	1.91	631	14.40
Blue	B	PerCP-Cy5-5	42590	41976	-2	3.57	1125	19.72
Blue	A	PE-Cy7	33146	33188	0	5.98	637	39.68
Red	C	APC	45473	44929	-2	2.39	1597	11.85
Red	A	APC-Cy7	31961	31090	-3	2.28	825	11.78
Violet	B	V450	7914	7459	-6	5.45	417	13.82
Violet	A	V500	29769	28688	-4	5.36	668	11.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20726	3.02	606	6	N/A	N/A	Pass
Blue	F	SSC	56703	1.30	552	14	N/A	N/A	Pass
Blue	E	FITC	61	61.47	538	1	0.0206	82	Pass
Blue	D	PE	131	48.86	541	4	0.1719	276	Pass
Blue	B	PerCP-Cy5-5	208	48.00	644	6	0.0097	50	Pass
Blue	A	PE-Cy7	119	96.37	696	5	0.0114	11	Pass
Red	C	APC	379	25.18	584	5	0.0260	206	Pass
Red	A	APC-Cy7	181	28.29	560	4	0.0057	924	Pass
Violet	B	V450	65	59.78	461	1	0.0485	2001	Pass
Violet	A	V500	99	34.33	474	2	0.0220	772	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.27	-32.07	1.05
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	18.03	13.60 - 20.40	N/A	N/A	29.66	30.12	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10890

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments